

177906-1 ✓ ACTIVE



Power Double Lock

TE Internal #: 177906-1

Housing, Receptacle, Wire-to-Board / Wire-to-Panel / Wire-to-Wire,
2 Position, Power Double Lock, Rectangular Power Connectors

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board, Wire-to-Panel, Wire-to-Wire**

Features

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

Product Type Features

| | |
|------------------------------------|--|
| Compatible With Discrete Wire Type | Stranded |
| Rectangular Power Connector Type | Housing |
| Connector & Housing Type | Receptacle |
| Connector System | Wire-to-Board, Wire-to-Panel, Wire-to-Wire |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|----------------------------|---|
| Number of Positions | 2 |
| Number of Power Positions | 0 |
| Number of Signal Positions | 0 |
| Number of Rows | 1 |



Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 300 VAC |
|-------------------|---------|

Contact Features

| | |
|----------------------------------|---------|
| Contact Layout | Inline |
| Contact Retention Within Housing | Without |
| Contact Type | Tab |

Termination Features

| | |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

| | |
|--------------------------|-------------|
| Panel Mount Feature | With |
| Panel Mount Feature Type | Latches |
| Connector Mounting Type | Panel Mount |

Housing Features

| | |
|--------------------|-------------------|
| Centerline (Pitch) | 3.96 mm [.156 in] |
| Housing Color | Natural |
| Housing Material | Nylon 6/6 |

Dimensions

| | |
|-------------------------------|----------------------------|
| Panel Thickness (Recommended) | .8 – 2 mm [.031 – .078 in] |
|-------------------------------|----------------------------|

Usage Conditions

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -30 – 105 °C [-22 – 221 °F] |
|-----------------------------|-----------------------------|

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

| | |
|---|-------------------------------|
| Compatible With Agency/Standards Products | UL |
| Compatible With Approved Standards Products | UL E28476 |
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | Standard Part - Not Glow Wire |

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 200 |
| Packaging Method | Bag |

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not applicable for solder process capability |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # CAT-P87024-P729
STD Temp Power Double Lock Plug



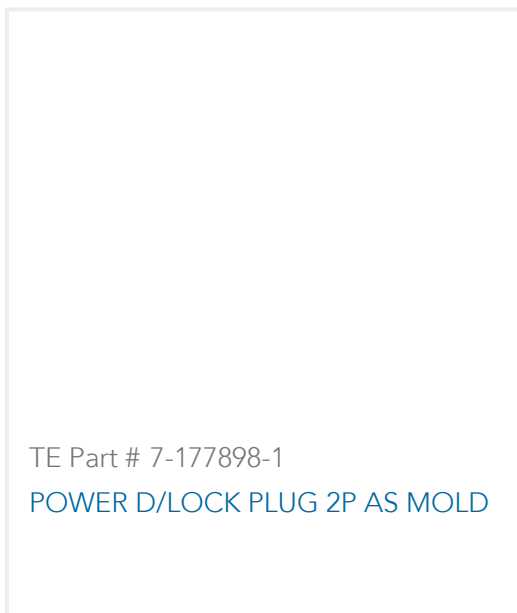
TE Part # CAT-P87024-T111
Power Double Lock Tab



TE Part # 2005249-1
PDL 2P CAP 3.96 P/M(GWT) NAT



TE Part # 5-177898-1
POWER DBL LOCK PLUG HSG 2P (GWT)



TE Part # 7-177898-1
POWER D/LOCK PLUG 2P AS MOLD

Also in the Series | Power Double Lock



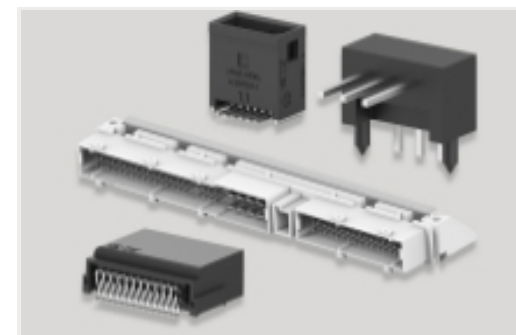
Connector Contacts(24)



Connector Hardware(14)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(43)



Rectangular Power Connectors(240)

Customers Also Bought



TE Part #177908-1
POWER DBL LOCK CAP HSG P/M 4P



TE Part #1971787-2
PTL RECEPTACLE CONTACT, 2X18 AWG



TE Part #177898-1
STD Temp Power Double Lock Plug



TE Part #1-1971772-4
Standard Temperature Caps | POWER TRIPLE LOCK



TE Part #177914-1
AMP POWER DBL LOCK REC (S)



TE Part #177917-1
Power Double Lock Tab



TE Part #1-1969443-0
EP 2.5 TPA Retainer, 10 Pos



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_177906-1_W.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_177906-1_W.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_177906-1_W.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

[1773458-5_POWER_DBL_LOCK_\(PDL\)_CONNECTORS](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English

[AMP POWER DOUBLELOCK CONNECTOR SERIES](#)

English

Agency Approvals

[CSA Certificate](#)

English